

Name : Dr.S.AKILANDESWARI
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 Designation : Assistant Professor
 Department Name : Physics
 Date of Birth : 28.11.1973
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 Specialization : Applied Spectroscopy, Nanoscience, Environmental Science & Instrumentation
 Experience (UG/PG) : 22 years 6 months
 Research Guidance : M.Phil Completed 12
 Ph.D- Completed 6, On-going 3



Paper Published:

S. No	Title Of the Paper/Article	Name Of The Journal/Magazine	Date Of Publication, Page No., Issue No., Vol. No.	Name Of The Publishes ISSN/ISBN No.	Whether Scopus/ SCI, SCIE
1	Synthesis and Characterisation of HMTA assisted CuO nanoparticles with its potential antibacterial application	International Journal of Recent Scientific Research	November 2015, P 7502-7507 No. 11. Vol. 6	ISSN-0976-3031	IC

2	HMTA assisted CuO nanoparticles: Synthesis, Characterization and its Antibacterial Application	Journal of Chemical and Pharmaceutical Sciences	October 2015 P132-134 Vol:11	ISSN-0974- 2115	
3	Effect of poly Ethylene Glycol on CuO Nanoparticles and its Antibacterial Application	International Letters of Chemistry, Physics and Astronomy	January2016, P111-118 Vol: 63	ISSN-2299- 3843	
4	Growth, Structural, Optical and Microhardness Behaviour of Pure and Delonix Leaf Extract Doped ADP Crystals	International Journal of Recent Scientific Research	December 2016 P 14595-14599 No:12 Vol: 7	ISSN-0976- 3031	IC
5	Green synthesis of silver nanoparticles using Zea mays and exploration of its biological applications	Institution of Engineering and Technology	March 2016 288- 294, No:10, Vol:5	ISSN-1751- 8741	IC
6	Optimal area prediction for waste water discharge by employing supervised learning	International Journal of Current Advanced Research	December 2017 No:12, Vol:6		

7	Delonix Elata Leaf Extract Mediated Gold Nanoparticles and their Biological Applications	Internation Journal of Chem Tech Research	2017 P: 461-466 No:9, Vol:10	ISSN-2455 - 9555	IC
8	Auto-suggesting discharge location system for wastewater treatment	International Journal of current Research and Modern Education	2018 P 213- 217 No:1, Vol: 3	ISSN-2455 - 5428	
9	Comparison of Electrical and Sensing Properties of Pure, Sn-and Zn-Doped CuO Gas Sensors	IEEE Transactions on instrumentation and measurement	May 2018		Scopus SCI
10	Efficacy of photoluminescence and photocatalytic properties of Mn doped ZrO ₂ nanoparticles by facile precipitation method	Journal of Material Science: Materials in Electronics	August 2018	ISSN-0957-4522	Scopus
11	Efficacy of calcination on the optical, structural and photocatalytic properties of Zirconium Oxide via facile precipitation	Journal of Emerging Technologies and Innovative Research	December 2018 No:12, Vol: 5	ISSN-2349-5162	Scopus

	method.				
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Details Of Conference / Seminars / Workshop Attended:

S.No	Title of The Event	Date	Place	National / International
1	International Conference on Chemistry for Renewable Energy (ICCRE 2016)	25 th – 26 th February 2016	PG & Research Department of Chemistry, Bishop Heber College (Auto), Tiruchirapalli	International
2	National Conference on Frontier Areas in Applied Physics (NCFAAP-2016)	27 th April 2016	Engineering Physics, Annamalai University	National
3	3 rd International Conference on Challenges in Biotechnology and Chemical Engineering	4 th - 5 th December 2016	Department of Chemical Engineering, Annamalai University	International

4	Second National Conference on Recent Development in Nano Materials and Thin Films Research (RDNMTR-2017)	4 th – 5 th March 2017	PG & Research Department of Physics AVVM SRI Pushpam College (Auto), Poondi, Thanjavur	National
5	International conference on Recent Advances in Applied Physics (ICRAAP-2017)	21 st - 22 nd September 2017	Faculty of Engineering and Technology, Annamalai University	International
6	National conference on Recent Trends in Material Science (RTMS- 2018)	30 th October 2017	Department of Physics Annamalai University	International
7	International Conference on Molecular Structure of Nano & Bio Materials (ICMSNBM -2018)	27 th - 28 th September 2018	PG & Research Department of Physics, Arignar Anna Government Arts College, Cheyyar	International
8	International Conference on Recent trend Advances in Materials Science (ICRAMS 2019)	4 th -5 th February 2019	PG & Research Department of Physics, National College (Auto), Tiruchirappalli	International
9	National Conference on Emerging trends in Renewable Energy and Innovation in Material Science (NETREIMS - 2019)	15 th -16 th February 2019	Thiru kolanjiappar Government Arts College, Vriddhachalam	National

10	International Conference on Recent Advancements in Pure and Applied Mathematics	25 th February 2019	PG & Research Department of Mathematics, Government Arts College (Auto), Kumbakonam	International
11	National Seminar on New trends in chemistry (NTC- 2016)	21 st - 22 nd October 2016	Department of Chemistry	National
12	National Seminar on Recent Advances in Chemical and Environmental Research (RACE -2017)	20 th - 21 st January 2017	Department of Chemistry	National
13	National workshop on Recent developments in science and engineering materials (NWRDSEM-2017)	1 st March 2017	Engineering Physics section	National
14	National workshop on Peer review publications (PRP-2017)	22 nd – 23 rd December 2017	Department of Physics, Annamalai University	National
15	National workshop on Troubleshooting of physics laboratory equipments & Repair	28 th February	PG & Research Department of Physics, Government college for Women (Auto), Kumbakonam	National

16	Workshop on Laser Scanning confocal Microscope	6 th - 7 th February 2018	Centralized Instrumentation and Service Laboratory(CISL) Annamalai University	National
17	National Workshop on paper publication (WPP-2018)	24 th - 25 th August 2018	Department of Physics	National
18	Symposium on Trend Setters in Materials Science (TSIM -2018)	6 th - 7 th February 2018	PG & Research Department of Physics, Government college for Women (Auto), Kumbakonam	National
19	One day hands – on Training on Cytometer (HTFC -2015)	7 th October 2015	Centralized Instrumentation and Service Laboratory(CISL) Annamalai University	
20	Mini Winter School on Mathematical Physics and stactical mechanics (MPSM-18)	3 rd -5 th October 2018	Government College for Women (Auto), Kumbakonam.	

Paper Presented Details :

Title	Date	Place
Spectroscopic study of Iron on the growth of Amaranthus Dubius Linn	25 th -26 th February 2016	PG & Department of Chemistry,

		Bishop Heber College (Auto), Tiruchirappalli
Biomimetic synthesis and characterization of silver nanoparticles using MOMORDICA CHARANIA extract	27 th April 2016	Engineering Physics, Annamalai University
Greensynthesis of Zinc oxide nanoparticles by using Amaranthus gangeticus leaf	21 th - 22 nd October 2016	Department of Chemistry, Annamalai University
Green synthesis leaf extract of Delonix elata	4 th – 5 th December 2016	Department of Chemical Engineering, Annamalai University
Spectral analysis on the effect on Nickel on greens	27 th -28 th September 2018	PG & Research Department of Physics, Arignar Anna Government Arts College, Cheyyar
Study of Cadmium on the growth of greens (Amaranthusbubius Linn)	04 th -6 th February 2019	PG & Research Department of Physics, National College (Auto), Tiruchirapalli
ANN modelling for prediction of COD values in industrial effluents	25 th February 2019	PG & Research Department of Mathematics, Government Arts College (Auto), Kumbakonam

FDP/ Orientation / Refreshes Courses Attended:

S.NO	Course	Title	Place and Date
1.	Refresher course in Physics	Emerging areas in condensed Matter Physics	UGC-Human Resource Development Centre, Madurai Kamaraj University. 16.11.2018 to 06.12.2018 (21

			days)
2.	Short term course	Counselling skills and strategies for nurturing young minds	Faculty of Education, Annamalai University. 24.12.2018 to 30-12-2018 (7 days)

Details Of Workshop / Conference/ Seminar Organised:

S.No	Name Of The Events	Title	Duration	Role	Resource Person	Place
1	UGC Sponsored National Seminar	Trend setters in Materials Science (TSIM-2018)	February 6 th & 7 th 2018 (2 days)	Organizing Secretary		Department of Physics Government College for Women, Kumbakonam

Committee Responsibilities:

(@ Government College For Women(A), Kumbakonam)

S.No	Committee	Date	Place
1	Science Exhibition organized on the occasion of the National Science Day Celebration	26 th 27 th and 29 th February 2016	Department of Physics, Annamalai University
2.	Served as Tutor/ Counsellor for M.Sc Physics students in GCW, Kumbakonam	2017	Department of Physics, Government College for Women (Auto), kumbakonam
3.	Acted as a Committee Member for	24 th and 18 th	Department of Physics,

	UG & PG Board of studies in GCW, Kumbakonam	Aug	Government College for Women(Auto), kumbakonam
4.	Served as a Admission Committee Member in GCW, Kumbakonam	2018	Department of Physics, Government College for Women(Auto), kumbakonam
5.	Served as Academic audit Committee Member in GCW, Kumbakonam	2018	Department of Physics, Government College for Women(Auto), kumbakonam
6	Staff in charge of Quiz programme competition	2019	Department of Physics, Government College for Women(Auto), kumbakonam
7.	Acted as organizing committee member for Science expo 2019 to celebrate National Science day	2019	Department of Physics, Government College for Women(Auto), kumbakonam

Invited Talks:

- Acted as Invited speaker in the Dean Arts and Science College, Needur, Mayiladuthurai and given a talk on Nanoscience dated 09.02.2019.